puryn®
PURITY ASSURED

INDUSTRIAL WATER
SOLUTIONS

RO, UF and DM plants · 1,000 to 20,000 LPH

# Water plants that run themselves.

For factories, hotels, hospitals and campuses. Built on SS/MS skids and kept running by our own service team.

Fully automatic

Installed and serviced by our team




Send us your requirement

**+91 90718 01000**

Call or WhatsApp

info@puryn.in

puryn.in

# RO plants, 1,000 to 20,000 LPH.

Fully automatic plants on SS/MS skids. Our team installs and commissions every plant.







## SPECIFICATIONS

| MODEL | 1,000 LPH | 2,000 LPH | 3,000 LPH |
|---|---|---|---|
| **Operation** | Fully automatic: starts and stops with the tank level | | |
| **RO membranes** | 1 × 8040 | 2 × 8040 | 3 × 8040 |
| **Sand and carbon filters** | FRP 13" × 54", one each | FRP 14" × 65", one each | FRP 16" × 65", one each |
| **Filter valves** | Automatic multiport; the filters backwash on their own | | |
| **Raw water pump** | 1 HP | 1.5 HP | 2 HP |
| **High-pressure pump** | 2/15 | 4/16 | 4/19 |
| **Cartridge filters** | 2 × jumbo 20" | | |
| **Antiscalant dosing** | Dosing pump, runs with the plant | | |
| **Panel** | Controller, 2 flow meters, 2 pressure gauges, float switches | | |

Pumps: CRI or equivalent; 2/15, 4/16 and 4/19 are pump sizes. 8040 = 8-inch membrane. Site needs a water point, a drain and a power point (3.5 kW up to 2,000 LPH). SS 304 storage tank and UV steriliser on request. Custom builds up to 20,000 LPH.

| AMC FOR RO PLANTS | Comprehensive | All-inclusive |
|---|---|---|
| **Antiscalant monthly, cartridges every 3 months** | ✓ | ✓ |
| **Technician visit every 3 months** | ✓ | ✓ |
| **All spares and labour** | ✓ | ✓ |
| **RO membranes replaced when due** | Billed extra | ✓ |




AMC plans shown for a 3,000 LPH plant; visits and consumables are set per plant.

# UF and DM plants, matched to your water.

UF clears cloudy water that is already low in dissolved salts and keeps its minerals. DM takes the salts out for boiler, battery and glassware water.



3,000 LPH UF plant



5,000 LPH UF plant

## UF PLANTS · SPECIFICATIONS

| MODEL | 3,000 LPH | 5,000 LPH |
|---|---|---|
| **Operation** | Fully automatic | |
| **Membrane** | PVDF (0.08 µm pores) or PAN (50,000 Da cut-off), chosen for your water | |
| **Pre-filters** | 2 cartridge filter housings | |
| **Feed pump** | Centrifugal monoblock pump | |
| **Panel** | Controller, 2 flow meters, 2 pressure gauges | |
| **Frame** | SS skid / MS skid | |
| **Takes out** | Cloudiness, suspended dirt and fine particles. Minerals and TDS stay as they are. | |

## DM PLANTS · TWO-BED

**<10 µS/cm**

treated water conductivity




For boilers, batteries, glassware and tabletop autoclaves. Fed from an RO plant, it runs longer between regenerations.

| EXAMPLE | 500 LPH two-bed |
|---|---|
| **Treated water** | Conductivity below 10 µS/cm |
| **Operation** | Fully automatic |
| **Vessels** | FRP 10" × 54", one cation, one anion |
| **Resin** | 25 L strong acid cation, 25 L strong base anion |
| **Valves** | Automatic multiport, 25 NB |
| **Feed pump** | 0.5 HP, CRI or equivalent |
| **Regeneration** | Automatic, from acid and alkali tanks through ejectors; you top up the chemicals |
| **Instruments** | Online conductivity meter, flow meter, 2 gauges |
| **Power** | Single-phase |

# Softeners, iron removal and filters.

Pre-treatment that protects boilers, cooling towers and RO membranes, sized to your pump flow and feed water.



**Softeners**
Boilers, laundries

| MODEL | Vessel | Resin |
|---|---|---|
| 1,000 LPH | 8" × 44" | 25 L |
| 2,000 LPH | 12" × 48" | 50 L |
| 3,000 LPH | 13" × 54" | 100 L |
| 6,000 LPH | 16" × 65" | 175 L |

Fully automatic: the valve regenerates on a timer. Sized to your flow and hardness.




**Iron removers**
Borewell iron

| MODEL | 1,000 LPH |
|---|---|
| Valve | Automatic, digital |
| Cleaning | Automatic backwash |
| Vessel | FRP 13" × 54" |
| Max flow | 1,200 LPH |
| Media | $MnO_2$-coated catalytic |
| Power | 230 V |
| Warranty | 5 years, unconditional |

Fully automatic. Larger vessels sized to your flow.




**Sand and carbon**
Automatic valves

| UNIT | Treats |
|---|---|
| Sand filter | Mud, turbidity |
| Carbon filter | Chlorine, odour |
| Antiscalant dosing | Scale on RO membranes |
| Chlorine dosing | Dissolved iron |
| Soda-ash dosing | Acidic water |

Every filter has an automatic valve; dosing pumps run with the feed pump.

## Talk to our plant team.

Service for any plant and media replacement for any brand.

**+91 90718 01000**
Call or WhatsApp · Mon to Sat, 9 am to 7 pm

info@puryn.in · puryn.in

**Bengaluru head office**
No. 149, S G Kaval,
Sunkadakatte,
Bengaluru 560079

**Mangaluru store**
First Floor, 10, HNGC Icon Planet, 7th Block,
Krishnapura, Surathkal,
Mangaluru 575014

Scan to WhatsApp

Images are illustrative. Specifications may change. Your written quotation is final.